

OLAR HLP 68 HYDRAULIC SYSTEM OIL

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name OLAR HLP 68 HYDRAULIC SYSTEM OIL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Hydraulic oil.

1.3. Details of the supplier of the safety data sheet

Company name Rchemie International Kimya San. Ve Tic. Ltd. Şti.

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2. Hazards Identification

2.1. Classification of the substance or mixture

Physical hazards Not classified

Health hazards Not classified

Environmental hazards Not classified

Classification (67/548/EEC/
or 1999/45/EC) -

2.2. Label Elements

Hazard statements NC Not Classified

3. Composition/information on ingredients

3.2. Mixtures

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| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts CAS number: 68649-42-3 EC numarası: 272-028-3 | <1% |
| Classification T.C. 28848 Skin corr. 2- H315 Eye Irrit. 1- H318 Aquatic Chronic 2- H411 | |
| p-dodecylphenol CAS number: 104-43-8 EC numarası: 203-202-9 M factor (Acute) = 1 | <1% |
| Classification T.C. 28848 Reproductive tox. 2- H361 Skin Corr. 2- H315 Aquatic Acute 1- H400 | |

4. First aid measures
4.1. Description of first aid measures

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| Inhalation | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| Ingestion | Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. |
| Skin contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

4.2. Most important symptoms and effects, both acute and delayed

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|-------------------|-----------------------------|
| Inhalation | No specific symptoms known. |
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| Ingestion | May cause discomfort if swallowed. |
| Skin contact | Prolonged skin contact may cause redness and irritation. |
| Eye contact | Irritation of eyes and mucous membranes. Symptoms following: Redness. Pain. |

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³.

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Fight fire from safe distance or protected location. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Use protective equipment appropriate for surrounding materials.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

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6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid or minimise the creation of any environmental contamination. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

7. Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure No data available.

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limits

8.2. Exposure controls

Protective equipment



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| Appropriate engineering controls | Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation. |
| Eye/face protection | Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. |
| Hand protection | Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. |
| Other skin and body protection | Wear apron or protective clothing in case of contact. |
| Hygiene measures | Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not drink or smoke. Contaminated clothing should be placed in a closed container for disposal or decontamination. |
| Respiratory protection | No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. |

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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| Appearance | Liquid. |
| Flash point | 247 °C |
| Bulk density | 0,887 g/cm ³ @15°C (ASTM D 4052) |
| Viscosity | 66,00-72,00 mm ² /s @ 100°C |

9.2. Other information

Other information Not available.

10. Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical Stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

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11. Toxicological information

11.1. Information on toxicological effects

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Genotoxicity - in vivo No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity – development No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT – repeated exposure No information available.

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact Liquid may irritate skin.

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| Eye contact | May cause temporary eye irritation. |
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12. Ecological Information

12.1. Toxicity

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| Ecotoxicity | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
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12.2. Persistence and degradability

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| Persistence and degradability | There are no data on the degradability of this product. |
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12.3. Bioaccumulative potential

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| Bioaccumulative potential | No data available on bioaccumulation. |
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12.4. Mobility in soil

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| Mobility | The product is partly miscible with water and may spread in the aquatic environment. |
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12.5. Results of PBT and vPvB assessment

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| Results of PBT and vPvB assessment | This product does not contain any substances classified as PBT or vPvB. |
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12.6. Other adverse effects

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| Other adverse effects | No information required. |
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13. Disposal considerations

13.1. Waste treatment methods

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| General information | The packaging must be empty (drop-free when inverted). |
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| Disposal methods | Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. |
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Environmental Manager must be informed of all major spillages.
Avoid the spillage or runoff entering drains, sewers or watercourses.

14. Transport information

- 14.1. General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)
- 14.2. UN Number** Not applicable
- 14.3. UN proper shipping name** Not applicable
- 14.4. Transport hazard class** No transport warning sign required.
- 14.5. Packing group** Not applicable
- 14.6. Environmentally hazardous substance/marine pollutant** No
- 14.7. Special precautions for user** Not applicable.
- 14.8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Regulation on Preparation and Distribution of Safety Data Sheets regarding Dangerous Substances and Preparations 13.12.2014, 29204

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| Guidance | Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. |
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| 15.2. Chemical safety assessment | No chemical safety assessment has been carried out. |
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16. Other information

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| Key literature references and sources for data | This SDS is prepared based on the information received from the the product raw material. |
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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.